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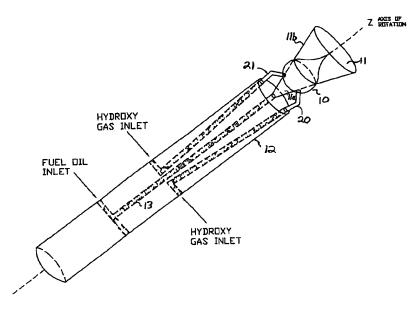
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(54) Title: A METHOD AND DEVICE FOR COMBUSTING LIQUID FUELS USING HYDROGEN



(57) Abstract: A method and device for combustion of liquid fuels is presented which uses a plurality of rotating hydrogen flames to blast atomize and ignite a mechanically dispersed stream of the liquid fuel This combustion method and device are particularly suited for heavy oil fuels, such as vegetable oils, which are not well burned using conventional burner technologies This combustion method involves establishing a zone of combusting hydrogen and projecting a mechanically atomized dispersion of the liquid fuel into and through this zone of combusting hydrogen